



556358

(43) International Publication Date
25 November 2004 (25.11.2004)

PCT

(10) International Publication Number
WO 2004/102746 A1

(51) International Patent Classification⁷: **H01R 9/24, 9/22**

(21) International Application Number:
PCT/JP2004/005058

(22) International Filing Date: 8 April 2004 (08.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003-137295 15 May 2003 (15.05.2003) JP

(71) Applicant (for all designated States except US): **YAZAKI CORPORATION** [JP/JP]; 4-28, Mita 1-chome, Minato-ku, Tokyo 108-8333 (JP).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MAKINO, Masahiro** [JP/JP]; c/o Yazaki Parts Co., Ltd., 1360, Kunikane, Daito-cho, Ogasa-gun, Shizuoka 437-1414 (JP).

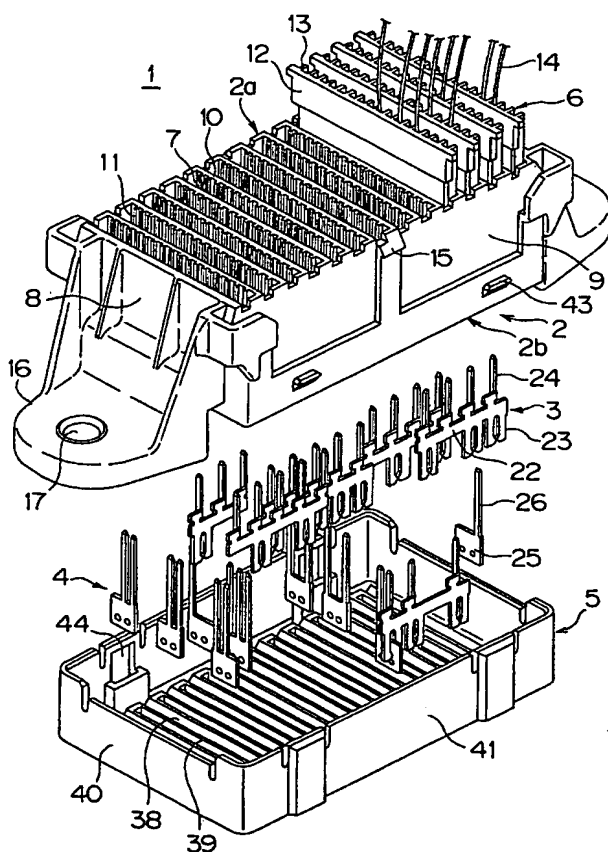
(74) Agents: **TAKINO, Hideo** et al.; 4th floor, Hiroo SK Building, 36-13, Ebisu 2-chome, Shibuya-ku, Tokyo 150-0013 (JP).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,

[Continued on next page]

(54) Title: **JOINT CONNECTOR BLOCK**



(57) Abstract: A joint connector block, which easily meets a demand of a complicated and highly dense joint circuit, is provided. It includes: a block body 2 having a plurality of connector-fitting chambers 7 arranged in a line on one side of the block body and a busbar-receiving part 2b communicating with the connector-fitting chambers on an opposite side of the block body; a plurality of longitudinal busbars 3, each of which includes at least one branch terminal 24 projecting in the connector-fitting chamber and at least one pair of clip terminals 23 situated on the side of the busbar-receiving part; and a plurality of lateral busbars 4, each of which includes at least one branch terminal 26 projecting in the connector-fitting chamber and a connecting part 25 to be connected to the pair of the clip terminals 23 on the side of the busbar-receiving part, the lateral busbar being connected to the longitudinal busbar crossing the longitudinal busbar at right angles.

WO 2004/102746 A1



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*